

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Massoud Kayvanjah

GENERAL INFORMATION:

Name: Kimberly-Clark Corporation, Owensboro Operations

Address: 601 Innovative Way
Owensboro, Kentucky 42301

Date application received: October 15, 1999

Date application Completed: February 23, 2005

SIC/Source description: 2621

EIS #: 21-059-00169, AI# 917, Work Activity# APE2004002

Application log number: 52848

Permit number: V-04-019

APPLICATION TYPE/PERMIT ACTIVITY:

- | | |
|------------------------------------------------------|-----------------------------------------------------|
| <input checked="" type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input type="checkbox"/> Conditional major |
| __Administrative | <input checked="" type="checkbox"/> Title V |
| __Minor | <input checked="" type="checkbox"/> Synthetic minor |
| __Significant | <input type="checkbox"/> Operating |
| <input type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

- | | |
|----------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

- | | | |
|------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> NSR | <input checked="" type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |
| <input type="checkbox"/> Netted out of PSD/NSR | <input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b) | |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	12.76	25.6
SO ₂	0.71	1
NO _x	85	134.6
CO	70	142
VOC (Boiler, heaters)	35	40
VOC (Waste water Treat)	53	53
LEAD		
HAP less than 10 tpy	0.05	0.136 for Acrylamide

SOURCE PROCESS DESCRIPTION:

One boiler with 99.3 mmBtu/hr energy rate uses only natural gas as fuel to generate 265 psig steam power for this facility's manufacturing processes. High density recycle/secondary paper fibers from two pulper units are washed and whitened with Hydrogen Peroxide, Sodium Hydroxide, Borol Hydride, and Sodium Bisulfite solutions for use by two Tissue Machines (#1 and #2).

Tissue Machine #1 uses two drying air heaters burning natural gas only each with 20 mmBtu/hr rate for drying 8.54 oven dry tons/hr throughput tissue paper. The drying air from the tissue dryers containing steam and process emissions is partially reheated indirectly through the dryers' heaters for recycling. The Tissue Machine #1 drying process has no emission control device. A Venturi Scrubber controls PM emissions from the Dry End Paper Reel to preclude a PSD review.

Tissue Machine #2 uses two dryers of 47 and 70 mmBtu/hr rates burning only natural gas for drying 17.79 oven dry tons/hr throughput tissue towel paper. The drying air from the dryers containing steam and process emissions is partially reheated indirectly through the dryers' heaters for recycling. A Reel Threadup Vacuum vent collects particulate emissions at the Dry End Pulper. The Tissue Machine #2 drying process has no emission control device.

Nine Converting Lines are used for tissue paper packaging. The PM emissions are simultaneously controlled with a Torit Baghouse Filter of 98.7% efficiency to preclude a PSD review.

A 0.24 MM gallon/hr capacity Wastewater Treatment Plant treats waste water and recycles it into the paper process.

The other process in the area is a Lime Silo. It has a 98% control efficiency baghouse that controls PM emissions from 45,000 lb lime deliveries (each delivery takes 2 hours). The lime is used for wastewater treatment

EMISSION AND OPERATING CAPS DESCRIPTION: None

OPERATIONAL FLEXIBILITY: None